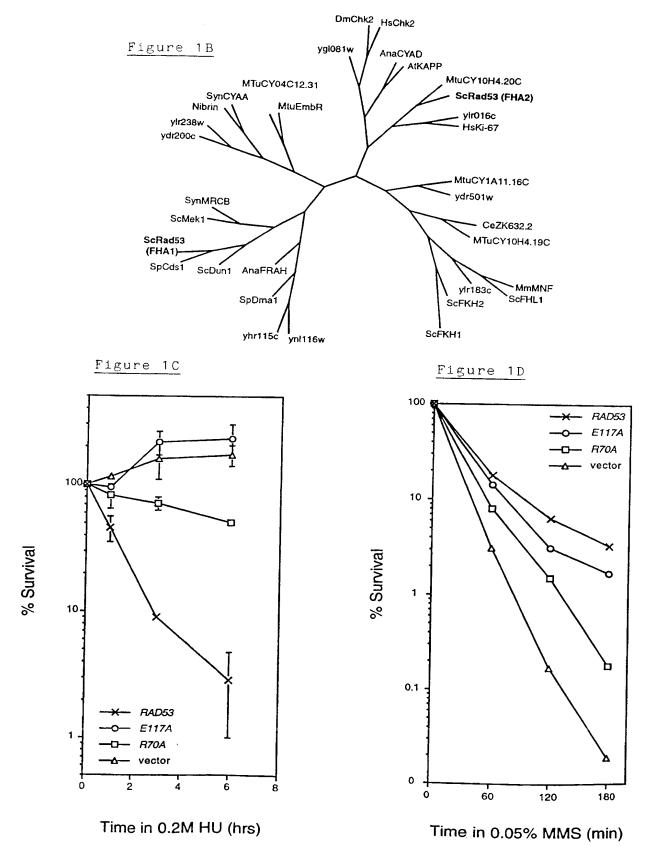
Figure 1A

Mutations in

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E117A		BOX D
<b>A</b>	[08] -EILOIFGRNGAKVNERR [08] -EILHIIGRNGAKVNFCG [40] -AYRLY	BOX C
0A H88A	-IDIDI GPAK LUSRKHAIRE	BOX B
RAD53: R702	SCFKh1         76-VTIGENTD-[15]           SCFKh2         83-VSIGENTD-[18]           Y1r183c         118-ITVGENSS-Q           SpCds1         60-WGFGRHKS           MtuEmbR         308-TRICRIHD           WtuCv04c12.31         228-VRIGRAND           Ydr200c         185-LKGRPVT-[17]           Ylr283w         99-LKGRPVT-[17]           Ylr283w         295-LVIGRYTE-[09]           Ylr283w         295-LVIGRYTE-[09]           XpDmal         60-IXIGRYTE-[09]           MtuCX10H4.20C         455-NIIGRYTE-[09]           SpDmal         60-IXIGRYTE-RXN-           AnaCYAD         24-FTIGRRESENDESHI           MtuCX10H4.19C         83-VLIGRRESENDESHI           MtuCX10H4.19C         83-VLIGRRESENDESHI           ScFh11         300-AIIGRRESENDENLIL           MtuCX10H4.19C         83-VLIGRRESENDENLIL           ScDunl         56-TTIGRRESENDENLIL           HSNIDEIN         204-VHIGRRESENDENLIL           HSNIDEIN         22-FTAGREANDLIL           HSNIDEIN         22-FTAGREANDLIL           HSNIDEN         204-VHIGRNES           SCMGK1         47-VKGRNE           SCMGK1         47-VKGRNE           AtkAPP         22-FTAGREANDLIL <td>BOX A</td>	BOX A

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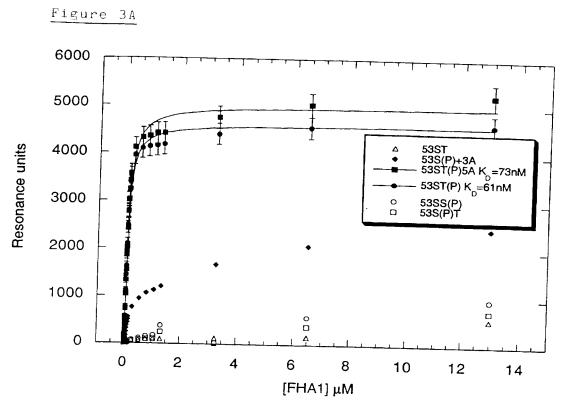
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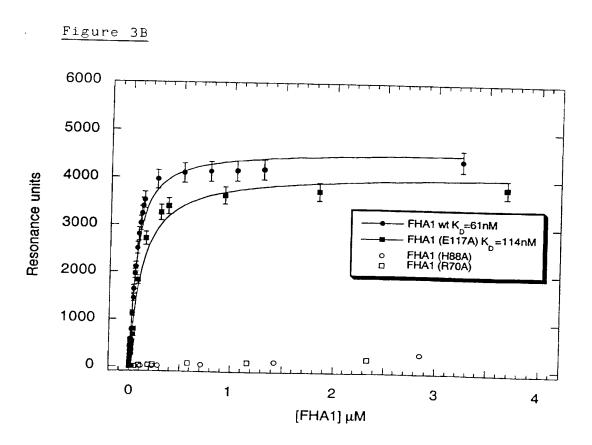
PCT/GB00/01024

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### Figure 2

APPLSQETFSDLWKL	ST
APPLS(P)QETFSDLWKL	S(P)T
APPLSQET(P)FSDLWKL	ST(P)
APPLAQET(P)FSDLWKL	ST(P)-3A
APPLSAET(P)FSDLWKL	ST(P)-2A
APPLSQAT(P)FSDLWKL	ST(P)-1A
APPLSQET(P)ASDLWKL	ST(P)+1A
APPLSQET(P)FADLWKL	ST(P)+2A
APPLSQET(P)FSALWKL	ST(P)+3A
ALAAAT(P)AADAAL	ST(P)5A
AL <b>AAADAA</b> DAAL	SDŠÁ
APPLSQE <b>S(P)</b> FSDLWKL	SS(P)
GGKKATQSQEY	H2ÀŚ
GGKKATQS(P)QEY	H2AS(P)
	` '





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### Figure 4

## Growth factor signalling

# 1. Ligand binding SH2 2. Receptor autophosphorylation on Tyrosine 4. Signal amplification and signal diversification

# DNA damage signalling

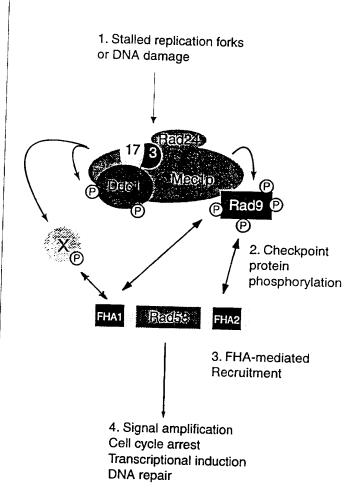
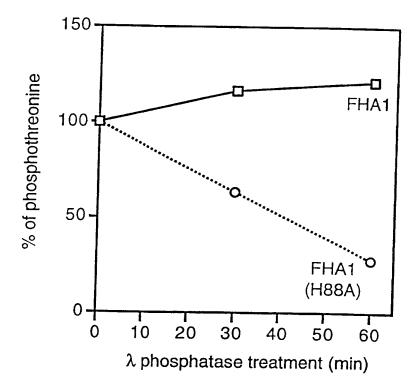


Figure 5



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Figure 6

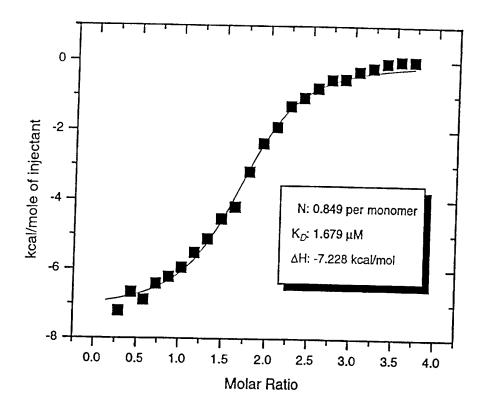
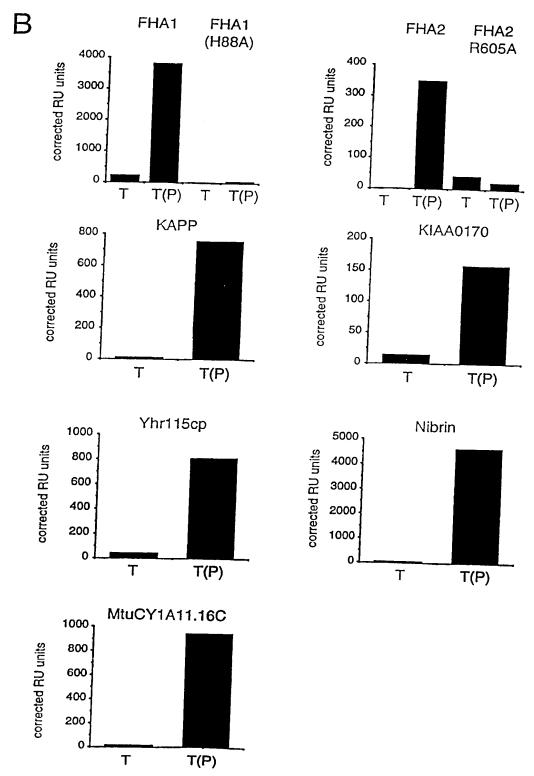


Figure 7

A

T: Biotin-SGSYSQETXXXLL T(P): Biotin-SGSYSQET(P)XXXLL



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